



Daemar[®] Inc.

861 Cranberry Court, Oakville, Ontario L6L 6J7
Phone: (905) 847-6500 Fax: (905) 847-6943
Toll free: 1-800-387-7115 Fax: 1-800-269-4571
Email: sales@daemarinc.com

Invoice # # De Facture	Pg #
2551703	1/1
Invoice Date Date De La Facture	
05/09/11	

S O L D T O	V E N D U R	DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7
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S H I P T O	E X P E D I E A	
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**IF INVOICE PAID BY 06/10/11 YOU MAY DEDUCT -

Printed 05/09/11 at 21:04

ORIGINAL COPY

Please Pay This Amount

Invoice / Facture

All amounts are calculated in domestic currency.

All Vendors PO ID po13983 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

[illegible]



Daemar® Inc.

861 Cranberry Court, Oakville, Ontario L6L 6J7
Phone: (905) 847-6500 Fax: (905) 847-6943
Toll free: 1-800-387-7115 Fax: 1-800-269-4571
Email: sales@daemarinc.com

Our Order # No. Commande	Pg #
2266102.00	1/1
Order Date Commande Le	
04/29/11	



S V O L D U T O A	DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7
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S H I P T O	EXPEDIE A	DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7
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F.O.B. F.A.B.		Order Taken By Commande Prise Par		Cancel Date Annulez La Date	Customer Phone # # De Telephone De Client	Customer # # De Client			
OUR WAREHOUSE		NINO			1 613 632 3336	294700			
Customer P/O # # De Bon De Commande De Client		Date Required La Date A Exige	Warehouse Entrepôt	Ship Via Expedie Par		Terms Termes			
PO13983		04/29/11	01	FED EX#15179324-0		NET 30 2% 10			
Ln Ligne	Bin # # De Coffre	Order Comm.	Ship Expedie	B/O Suivre	Stock # # De Produit	Stock Description Courante Description	Price Prix	Un Unite	Disc% % Rabais
1		5	5		G-89-.057	36" WIDE GLASS CLOTH THICKNESS .057"	240.00	EA	
PLEASE INCLUDE SUPPLIERS C OF C									
PICKED BY									
PACKED BY									
Reference					Printed / Imprime	Total Weight / Poids Total (gm)	Total Value / Valeur Total		
DATE					05/09/11 at 11:49		1,200.00		



PACKING SLIP / BON D'EXPEDITION



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO13983**

Purchase Order Date 4/29/2011

PO Print Date 4/29/2011

Page Number 1 of 1

Order From :

VC-DAE001

DAEMAR INC
548 MELOCHE
DORVAL, QUEBEC H9P 2T2
CANADA

Contact Name
Vendor Phone 514-636-3113
Vendor Fax 514-633-1206
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
6/11/2011

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	G89	coated cloth	5/11/2011 Yes	45.00 sf	FedEx PI collect	\$26.6667	\$1,200.00

Special Inst: QUOTATION #: 2010-24763
5 YARDS = 45 SF

PO Total:

\$1,200.00

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

ccat: # 294700

PO Instructions: PLEASE SHIP FEDEX PI ACCT: 15179324-0

Change Nbr: 1

Change Date: 4/29/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Receiving Report

Date: 11/05/10

Batch No: 1117666

Supplier: DAEMAR

Dart P/O: 13583

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ ☐ N/A ☐
 Work Order ☐ ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin:

Date

Received/Costing

Initial

11/05/10
P/O: 13983
CY

Location

05/10/2011 09:04 613-632-5246
05/10/2011 TUE 8:39 FAX *** DAS ADMIN
05/10/2011 09:33 5146331208
MAY-09-2011 15:06

DART

PAGE 01/01

001/001

DAEMARORVAL

#0720 P.001/001

P.001/001

ATT: LINDA. LACELLE

WIND

**PARKER HANNIFIN
NACOGDOCHES, TEXAS**

**QUALITY CONTROL
SEALING COMPONENTS DEPARTMENT
INDUSTRIAL SPECIALTIES DIVISION**

REPORT: C-4556

DATE: May 9, 2011

CERTIFICATION OF COMPLIANCE

**SUBJECT: DAEMAR INC.
861 CRANBERRY COURT
OAKVILLE
ON L6L6J7**

PRODUCT: 5 YARDS- G89 .057 X 36 X 50

CUST P/N: G89 .057 36 50

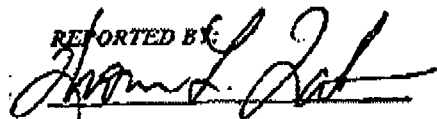
SUMMARY:

**THIS IS TO CERTIFY THAT OUR STANDARD INSPECTION PROCEDURE
HAS BEEN USED IN INSPECTION OF THE MATERIAL COVERED BY THIS ORDER.
INSPECTION INDICATES THAT THE MATERIAL SUPPLIED ON PARKER HANNIFIN
ORDER NO: 881807-001 (YOUR NO: 66966) COMPLIES WITH THE APPLICABLE FINISHED
PRODUCT REQUIREMENTS OF PARKER HANNIFIN CORPORATION.**

**SHELF LIFE: SEVEN YEARS IF STORED PROPERLY.
STORAGE: STORE IN A COOL, DRY ARE (ABOUT 70F) AWAY
FROM SUNLIGHT OR ULTRAVIOLET, PREFERABLY A DARK PLACE.**

**BATCH: 0361313
CURE DATE: 1ST QTR 2011**

REPORTED BY:



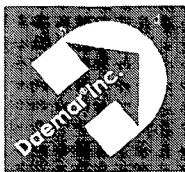
TITLE:

TOTAL P.001

TRANSMISSION VERIFICATION REPORT

TIME : 04/29/2011 12:54
NAME :
FAX :
TEL :
SER.# : F9N212739

DATE, TIME	04/29 12:54
FAX NO./NAME	15146331206
DURATION	00:00:19
PAGE(S)	01
RESULT	OK
MODE	STANDARD
	ECM



Daemar® Inc.

Supplying the pace of industry
www.daemar.com

Quotation

Quote Number: 2010-24763

Terms: COD

Date: 25-04-2011

Valid Until: 25-05-2011

Territory Rep: Frank Figsby

Daemar Inc. (Dorval)
548 Meloche
Dorval, Quebec H9P 2T2, Canada
Phone: 514 636 3113 Fax: 514 633 1206

Dart Aerospace
1270 Aberdeen
Hawkesbury, ON K6A 1K7
Canada
Phone: 613 632 9577 Fax: 613 632 1053
Attn: Linda Lacelle

Prices in Canadian Dollars

Qty.	Product	Unit Price	Ext. Price
5	G-89-.057 5 YARDS MINIMUM PRICE PER YARD THIS IS A PARKER PRODUCT NON-RETURNABLE NON-CANCELLABLE 455F = 40 yards. 26.666	\$ 240.0000	\$ 1,200.0000
Shipping: 7-10 DAYS		FOB: DAEMAR	

per: Ning Oliva

PRICES INVOICED WILL BE THOSE IN EFFECT AT TIME OF SHIPMENT

CONDITIONS OF SALE ARE BASED ON STANDARD INDUSTRY PRACTICES



Supplier Evaluation/Re-evaluation Form

Date: 11/04/29

Name: Daemar Inc.
Address: 548 Melrose
Danvers QC 01923
Tel: 514-636-3113
Fax: 514-633-1206

Product approval requested for: thermo-chem gasket

☒ **New**

Assessment Basis (Approval Basis)

- ☐ a) On-site assessment
- ☐ b) Previous history / experience with Dart personnel
- ☒ c) Review of supplier's documented capabilities (may include supplier survey)
- ☐ d) Published experience or evidence of supplier approval with a recognized authority
- ☐ e) Review of product samples (may include test results)

☐ **Re-Evaluate**

- ☐ a) On-site assessment
- ☐ b) Review of supplier's performance and demonstrated capability for the period since the last review
- ☐ c) Review of supplied documented capabilities (may include supplier survey)

Comments: _____

Approval given for (scope): gasket material

Inspection Level: 100%

Purchasing: Christal Lavoie

Production Manager: [Signature]

DQA: _____

Engineered Polymer Systems Division**Thermo-Chem™**

ATT: LINDA LACELE

**Information
Bulletin****No. 0805-0001****Flame and Fuel Resistant
Firewall Sheets for the
Aviation Industry****Description**

Thermo-Chem firewall sheets are flexible, fire-resistant fabrics consisting of woven and textured glass yarns, plain or wire reinforced. The sheets are impregnated and coated on both sides with a flameproof compound.

Applications

Thermo-Chem glass fabrics are widely used to seal openings in aircraft firewalls. These materials are also used as boots, bellows, expansion joints, bindings on the mating edges of metal parts, and in other aviation-related applications where flame and fuel resistance is required.

Advantages

As a result of their composition and construction, Thermo-Chem glass fabrics form a non-porous, non-fraying, high tensile strength, flameproof firewall sheet that offers long-term resistance to oils, solvents, vibration and abrasion. In addition, their flexibility enables them to readily conform to a variety of shapes. Thermo-Chem G-88, G-89 and G-95 meet Federal Aviation Administration requirements for fireproof materials including the **ability to withstand a 2000° F (1093° C) flame for at least 15 minutes.**

**Thermo-Chem Materials****G-88.**

Reinforced with stainless steel wire. Saturated and coated with a fluoroc elastomer for increased resistance to solvents, hydraulic fluids and aromatics. 400° F (204° C) constant operating temperature.

G-89.

Reinforced with stainless steel wire. Saturated and coated with a neoprene compound. Lightweight material. 250° F (121° C) constant operating temperature.

G-95.

No wire reinforcement. Saturated and coated with a neoprene compound. 250° F (121° C) constant operating temperature.

Meets FAA Requirements**Flame & Fuel Resistant****High Conformability****Light Weight & Strong**

Style	Approx. Thickness	Width	Roll Length (in. yds)	Approx. Weight (lb. / sq. yd)
G-88	0.057"	36"	50	2.9
G-89	0.057"	36"	50	3.4
G-95	0.062"	36"	50	4.9
G-95	0.125"	36"	25	8.5

Contact us

For material tolerances, order minimums, pricing and availability, call your Parker representative at: 1 (800) 233-3900

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Parker Hannifin Corporation
Engineered Polymer Systems Division
Ph: 1-800-233-3900

www.parkerseals.com

Parker
anything possible

Thanks
Nuno

Manville

Thermo-Chem
G-88, G-89
G-95, and G-96

Sealing Components

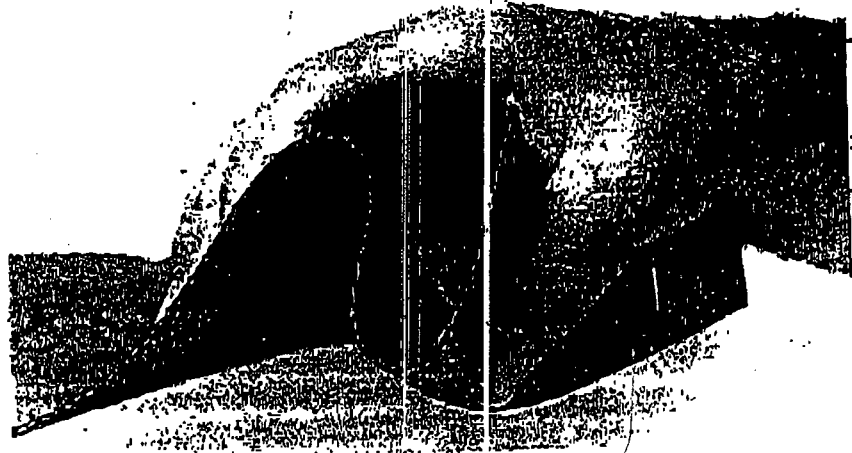
- Flame & Fuel Resistant
- High Conformability
- Strength with Light Weight
- Meets FAA Requirements

Description

Thermo-Chem firewall sheets are flexible, fire-resistant fabrics consisting of woven and extruded glass yarns, plain or wire reinforced. The sheets are impregnated and coated on both sides with a flameproof compound.

Applications

Thermo-Chem glass fabrics are widely used to seal openings in aircraft firewalls. These materials are also used as boots, bellows, expansion joints, bindings of the mating edges of metal parts, and in other aviation-related applications where flame and fuel resistance is required.



Advantages

As a result of their composition and construction, Thermo-Chem glass fabrics form a non-porous, non-fraying, flameproof firewall sheet that offers long-term resistance to oils, solvents, and vibration, high tensile strength, and abrasion resistance. In addition, their flexibility enables them to readily conform to a variety of shapes. Thermo-Chem G-88, G-89, G-95, and G-96 meet Federal Aviation Administration requirements for fireproof materials including the ability to withstand a 2000°F (1093°C) flame for at least 15 minutes.

Available Forms

G-88. Reinforced with stainless steel wire, saturated and coated with a fluoroelastomer for increased resistance to solvents, hydraulic fluids, and aromatics. 400°F (204°C) constant operating temperature.

G-89. Reinforced with stainless steel wire, saturated and coated with a neoprene compound. 250°F (121°C) constant operating temperature.

G-95. No wire reinforcement, saturated and coated with a neoprene compound. 250°F (121°C) constant operating temperature.

G-96. Reinforced with brass wire, saturated and coated with neoprene compound. 250°F (121°C) constant operating temperature.



JM CLIPPER CORPORATION
403 INDUSTRIAL DRIVE
NACOGDOCHES, TEXAS 75961

PHONE # (409) 533-8993

All references to Manville and Manville Corporation shall be deemed to refer to JM Clipper Corporation

Handwritten signature: J. Manville

Specification Data

Thermo-Chem G-88, G-89, G-95, and G-96

Available Sizes and Weights

Style	G-88	G-89	G-95	G-96
Thickness	.057"	.057"	1/16", 1/8"	1/16", 1/8"
Width	36"	36"	36"	36"
Roll Size	50 yds.	50 yds.	50, 25 yds.	50, 25 yds.
App. Weight (Lbs./In. Yd.)	2.9	3.4	4.9, 8.5	5.8, 8.5

Limited Warranty

Manville warrants that its products are manufactured in accordance with its applicable material specifications and are free from defects in materials and workmanship using Manville's specifications as a standard. Only products which are installed and used in accordance with applicable Manville instructions and specifications are in any way warranted by Manville. This warranty is applicable only to claims made in writing and received by Manville within 30 days after the defect was discovered and within one year after the date of shipment of the product by Manville. All other claims are waived. If a claim is made, you must allow reasonable investigation of the product you claim is defective and you must supply samples that adequately demonstrate the problem you claim for testing by Manville.

MANVILLE DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY AS A PURCHASER OF MANVILLE PRODUCTS. THIS LIMITED WARRANTY MAY BE MODIFIED OR AMENDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF MANVILLE. WITHOUT AN EXPRESS, WRITTEN AUTHORIZATION FROM MANVILLE, NO RETAILER OR DISTRIBUTOR OF MANVILLE PRODUCTS HAS THE AUTHORITY TO MODIFY OR AMEND THIS LIMITED WARRANTY.

Limitation of Liability


This limited warranty is your sole and exclusive remedy. It is expressly understood and agreed that the limit of Manville's liability will be, at Manville's option, repair or resupply of a like quantity of non-defective product. All labor and service charges which may be incurred with respect to either the original or replacement product are excluded. Manville shall have no liability except where the claim results solely from breach of Manville's limited warranty.

MANVILLE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. FURTHERMORE, MANVILLE SHALL NOT BE LIABLE FOR DAMAGE TO THE PROPERTY TO WHICH THE PRODUCT IS APPLIED OR ITS CONTENTS, LOSS OF TIME, PROFITS, OR ANY INCONVENIENCE ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY OR OBLIGATIONS UNDER THIS LIMITED WARRANTY. MANVILLE SHALL NOT BE LIABLE FOR ANY DAMAGES WHICH ARE BASED UPON NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY EXCEPT THE LIMITED WARRANTY SET FORTH ABOVE. INCIDENTAL AND CONSEQUENTIAL DAMAGES SHALL NOT BE RECOVERABLE EVEN IF THE REPLACEMENT REMEDY FAILS OF ITS PURPOSE OR FOR ANY OTHER REASON.

The physical (or chemical) properties of Manville Thermo-Chem G-88, G-89, G-95, and G-96 fabrics represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check the nearest Manville district office to assure current information.

For technical information, or the telephone number of your local Manville sales representative or distributor, call toll free 800-233-3900. In Texas call 409-561-8900.

689 .057 36 RL.

	Product:	Division: NACOGDOCHES
	THERMO-CHEM FIREWALL SHEET	Spec No: 4575-015
Finished Product Specifications		Page No:

I DESCRIPTION

FIREWALL SHEETS CONSIST OF FIBERGLASS CLOTH IMPREGNATED AND COATED ON BOTH SIDES WITH FLAMEPROOF COMPOUND. IT IS USED AS LOCAL FIRE BARRIERS TO SEAL OFF ENGINE AREAS; AS BOOTS BELLOWS, OR EXPANSION JOINT; AS BINDING ON MATING EDGES OF METAL PARTS; AND OTHER FIREWALL USES AS WELL AS ON AIRCRAFT.

II TYPES, SIZES, STYLES, ETC.

A. <u>STYLE</u>	<u>CLOTH</u>	<u>COATING</u>	<u>DUSTING</u>
THERMO-CHEM G88	FIBERGLASS WITH STAINLESS STEEL WIRE REINFORCEMENT	VITON	MICA
THERMO-CHEM G89	FIBERGLASS WITH STEEL WIRE REINFORCEMENT	NEOPRENE	MICA
THERMO-CHEM G95	FIBERGLASS (NO WIRE)	NEOPRENE	MICA

B. SIZES

<u>STYLE</u>	<u>THICKNESS (IN.)</u>		<u>ROLL SIZE</u>	
	<u>1/16</u>	<u>1/8</u>	<u>WIDTH</u>	<u>LENGTH</u>
G88	X	—	36"	50' DS.
G89	X	—	36"	50' DS.
G95	X	X	36"	25' DS. (0.125") 50' DS. (0.063")

III OUTSIDE SPECIFICATIONS TO BE METFEDERAL AVIATION ADMINISTRATION (FIREPROOF)

STYLES G88, G89, AND G95, COMPLY AS TESTED ACCORDING TO CFR TITLE 14, AERONAUTICS AND SPACE PARTS 1-59, SECTION 23.1191.

FPS 4575-C15

IV FINISHED PRODUCT PROPERTIES
 A. DIRECT PRODUCT REQUIREMENT

1. VARIABLES

				MEASUREMENT
a)	<u>LENGTH (YDS)</u>	<u>TOLERANCE</u>	<u>MIN. FREQ.</u>	<u>METHOD</u>
	G88, G89, G95	±5 YDS.	ONCE/ROLL	TAPE
b)	<u>WIDTH (IN.)</u>			
	G88, G89	+1, -1/2	ONCE/ROLL	TAPE
	G95 (0.063)	+1, -1		
	G95 (0.125)	+1, -1		
c)	<u>THICKNESS (IN.)</u>	<u>AVERAGE</u>		
	G88, G89	0.052-0.062	READINGS	X CADDY MICROMETER
	G95 (0.063)	0.060-0.080	PER ROLL	OR DIAL CALIPERS
	G95 (0.125)	0.115-0.135		(RECORD AVERAGE)

FINAL MEASUREMENT IS DETERMINED BY AVERAGE FROM
 MINIMUM OF 8 POINTS UNIFORMLY DISTRIBUTED AROUND OF 4
 EDGES OF SHEET. COMPLETE ALL INFORMATION ON RECORD
 AND FORWARD TO SCHEDULER AND INDUSTRIAL INSPECTOR.
MEASUREMENTS TO BE RECORDED UPON JMC FORM
99-077 (SEE ATTACHED)

DOCUMENT THICKNESS MEASUREMENTS USING FORM
ON INDUSTRIAL DRAWING #76

d)	<u>WEIGHT (LBS./YD)</u>	<u>MIN.</u>	<u>TYP.</u>	
	G88 (0.057")		2.9	ONCE/ROLL SCALE
	G89 (0.057")		3.4	
	G95 (0.063")	4.9	5.3	
	G95 (0.125")	8.5	9.1	

FPS 4575-015

IV FINISHED PRODUCT PROPERTIES**A. DIRECT PRODUCT REQUIREMENTS (CONTINUED)****2. INSPECTION STANDARDS (PRODUCT ATTRIBUTES)-APPEARANCE TEST****a) FREQUENCY (APPEARANCE)**

STYLES G88 & G89 - CHECK EACH ROLL.
STYLES G95 - CHECK EACH ROLL.

b) STYLES G88 & G89 - THE COATING SHALL BE CONTINUOUS AND CLOSE ALL PORES OF THE BASE FABRIC. OCCASIONAL PIN HOLES SHALL BE ACCEPTABLE. THE COLOR OF THE COATING SHALL BE GRAYISH BLACK WITH A LIGHT COATING OF MICA DUST**c) STYLES G95****MAJOR DEFECTS**

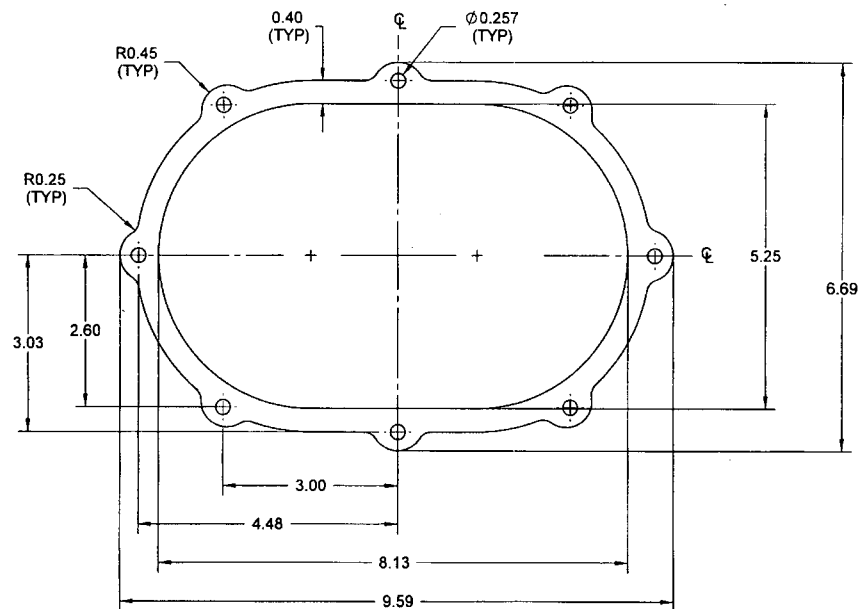
THE FOLLOWING DEFECTS SHALL NOT BE PERMITTED: GREASE, PINHOLES, CUTS, TEARS (ANY SIZE), AND/OR UNEVEN COATING (THIN AREAS).
BLISTERS OR LUMPS SHALL COVER AN AREA LESS THAN 1/8" SQUARE.

MINOR DEFECTS

NARROW WIDTH - WIDTH SHALL NOT BE LESS THAN THE SPECIFIED MINIMUM.
STAIN OR STREAK-STAINS OR STREAKS VISIBLE AT A DISTANCE OF 6 FT. SHALL NOT BE PERMITTED.
UNEVEN COATING-HEAVILY COATED AREAS VISIBLE AT A DISTANCE OF 6 FT. SHALL NOT BE PERMITTED.

d) THICKNESS

CHECK EACH ROLL AT FINAL INSPECTION AT DRUM WINDER.
USE FORM JMC-99-0077. FILL OUT DATA AND THICKNESS INFO FROM 8 CADY READINGS DOWN THE LENGTH OF THE MATERIAL.



D3651-1 GASKET

NOTES:

- 1) MATERIAL: THERMO-CHEM P/N G-89, (REF. 0.060 THICK)
POSSIBLE SUPPLIER: A.R. THOMSON GROUP
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) PART IS SYMMETRIC ABOUT ϕ
- 8) WEIGHT: 0.09 lbs

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D3651	SHEET 3 OF 9
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	AFT BASE ASSEMBLY	1:2
DATE	08.01.07	<small>COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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Explosive Dust Dangers?

Industrial Dust Collection Systems Exceed OSHA Dust Collector Mandates

Ads by Google

Ads by Google**MSDS****CAS****MSDS on Line** **OSHA and MSDS****Search**

jm clipper G89



MSDS 250,000+

MSDS : THERMO-CHEM G-89 FIREWALL SHEET
 CAS : 65997-17-3
 9010-98-4
 12003-38-2
 NAME : glass, oxide (group 2b carcinogen, iarc) *93/3*
 neoprene, 2 chloro-1, 3-butadiene homopolymer, chloroprene
 stainless steel
 fluorophlogopite (mica) *93-3*

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 Expansion Joint from
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www.Flexicraft.com/Rubber

Ads by Google

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
 [THERMO-CHEM G-89 FIREWALL SHEET 65997-17-3 9010-98-4 12003-38-2]

Suppliers:

Not Available

Buyers:

Not Available

Electronic SDS Easily comply with REACH & CLP distribution & audit requirement www.essdocs.com/services/esds**Search Part Datasheets** Cross & Spec Parts @ Avnet Express Order Online w/ Same Day Shipping! AvnetExpress.Av...**Weiler Rubber Extrusion** Custom Rubber Extrusion Variety of materials, fast delivery www.weilertechnologies.com

Ads by Google

===== Product Identification =====

MSDS NAME:THERMO-CHEM G-89 FIREWALL SHEET

NIIN:00-631-7667

MSDS Number: BSQBV

=== Responsible Party ===

Company:JM CLIPPER CORP

Address:403 INDUSTRIAL DR

Box:2340

City:NACOGDOCHES

State:TX

ZIP:75963-2340

Country:US

Info Phone Num:409-560-8963

Emergency Phone Num:409-560-8963

Preparer's Name:LARRY W MINTON

CAGE:G0165

=== Contractor Identification ===

Company:J M CLIPPER CORPORATION

Address:403 INDUSTRIAL DRIVE

Box:632340

City:NACOGDOCHES

State:TX

ZIP:75963-2340

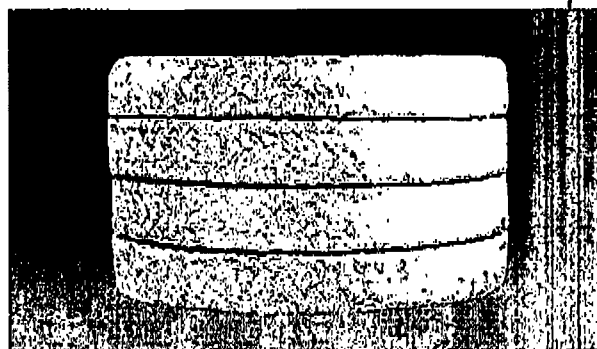
Attn: Brigitte
613-632-1053

 A.R. Thomson Group

FLUID CONTAINMENT & CONTROL PRODUCTS

Thomson GC 89

General Service compression
packing- centrifugal pump, rotating
equipment Agitators / Mixers,
reciprocating pumps & Valve service



Specifications

Construction:

- Teflon® impregnated, acrylic yarn with unique break-in lubricant.
- Single yarn encapsulation for superior protection from chemical attack.
- Square Interbraid.

Temperatures:

-170°F to 550°F
-112°C to 288°C

Pressures:

to 500 psi rotary (34.4 bar)
up to 2,500 psi (172 bar) in Valve service

Speeds:

2,500+ fpm (12.7 m/s)

pH range:

0 - 12

Benefits

- Non-Abrasive: long service life
- General service: economize on one style
- Non-contaminating: will not affect product
- Non-Asbestos: save on handling cost
- Reduce maintenance costs

Ideal for

- Centrifugal or reciprocating pumps, valves.
- Good chemical resistance, excellent in medium acids and alkalis, petroleum and synthetic oils, steam, aromatic and aliphatic solvents and dry gas applications.
- Recommended where a clean (White) non-contaminating packing is preferred.
- Rotating equipment - excellent choice for general service applications, agitators / mixers, pumps & valves.

Teflon® is a registered trademark of DuPont

For your closest branch, please visit WWW.ARTHOMSON.COM

Ordering Information:

Specify: Thomson style, size & quantity (lbs) required

Size	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
Approx. ft/lb	45.0	26.0	16.0	13.1	9.8	7.1	6.3	4.6	2.7	2.3	1.8
Std pkg (lbs)	2	2	2/5	5	5	5/10/25	5	5/10	10/25	10	10/25

*Also available in Metric sizes, Die formed pre-packaged sets and specialty cut lengths, contact A.R. Thomson Group for any special requirements.

Shaft Speed Conversion Calculations:

Feet per minute

Shaft / sleeve diameter (in) X RPM X 0.262 = fpm

Shaft / sleeve diameter (mm) X RPM X 0.0103 = fpm

Meter per second

Shaft / sleeve diameter (in) X RPM X 0.0013299 = m/s

Shaft / sleeve diameter (mm) X RPM X 0.0000524 = m/s

AUTHORIZED DISTRIBUTOR

ARTG10519

Linda Lacelle

From: Frank Mah <fmah@eaglecopters.com>
Sent: April 25, 2011 9:50 AM
To: 'Linda Lacelle'
Subject: RE: G-89 gasket

Hi Linda,

Please contact Sarah Munn (403) 253-0161. She can get you mat specs.
I am waiting for a delivery date from her also.

Frank

From: Linda Lacelle [mailto:llacelle@dartaero.com]
Sent: Monday, April 25, 2011 7:18 AM
To: fmah@eaglecopters.com
Subject: G-89 gasket

Hi Frankie,
Do you have the spec on this mat'I?

Thank You,
Linda Lacelle
Production Manager
Dart Aerospace Ltd
Hawkesbury, ON
Phone: 613 632 9577
Fax: 613 632 1053
Cell: 613 676 1655

Spec sheet

*613 632
1053*

Country:US
Phone:409-560-8900
CAGE:48482
Company:JM CLIPPER CORP
Address:403 INDUSTRIAL DR
Box:2340
City:NACOGDOCHES
State:TX
ZIP:75963-2340
Country:US
Phone:409-560-8900
CAGE:G0165

===== Composition/Information on Ingredients =====

Name:GLASS, OXIDE (GROUP 2B CARCINOGEN, IARC) *93/3*
CAS:65997-17-3
Fraction by Wt: 40-50%
ACGIH TLV:10 MG/CUM TOTAL DUST

Name:NEOPRENE, 2 CHLORO-1, 3-BUTADIENE HOMOPOLYMER, CHLOROPRENE
POLYMER
CAS:9010-98-4
RTECS #:E19640000
Fraction by Wt: 50-60%

Name:STAINLESS STEEL
Fraction by Wt: <2%

Name:FLUOROPHLOGOPITE (MICA) *93-3*
CAS:12003-38-2
Fraction by Wt: <1%
ACGIH TLV:10 MG/CUM TOTAL DUST

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MECHANICAL IRRITANT TO SKIN, EYES &
UPPER RESPIRATORY SYSTEM. EXPOSURE ONLY AFTER CUTTING OR GRINDING
RELEASES DUST.

Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES: INFLAMMATION. SKIN: RASH. INHALATION:
SORENESS IN THROAT & NOSE, SOME CONGESTION MAY OCCUR.
Medical Cond Aggravated by Exposure:UPPER RESPIRATORY & LUNG DISEASES

===== First Aid Measures =====

Eyes: FLUSH W/PLENTY OF WATER. SKIN: WASH W/SOAP & WARM
WATER. INHALATION: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR
THROAT. BLOW NOSE TO EVACUATE FIBERS. OBTAIN MEDICAL ATTENTION IN
ALL CASES.

===== Fire Fighting Measures =====

Fire Fighting Procedures:MATERIAL IS NON-FLAMMABLE OR
SELF-EXTINGUISHING, BUT UNDER MAJOR CONFLAGRATION NEOPRENE MAY
PYROLYZE TO ACRID FUMES & THICK SMOKE. WEAR SCBA.

===== Accidental Release Measures =====

Spill Release Procedures:PICK UP LARGE PIECES. VACUUM CLEAN DUSTS. USE
A DUST SUPPRESSANT (WATER).

===== Handling and Storage =====

Other Precautions:CUTTING & GRINDING MAY RELEASE DUST/FIBERS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE DUST RESPIRATOR OR EQUIVALENT. USE
ULTRA-TWIN W/H FILTER OR EQUIVALENT.
Ventilation:SUFFICIENT NATURAL OR MECHANICAL TO KEEP DUSTS LEVEL BELOW
TLV/PEL.
Eye Protection:GOGGLES OR SAFETY GLASSES

Other Protective Equipment: LOOSE FITTING, LONG SLEEVED CLOTHING
 Work Hygienic Practices: WASH WORK CLOTHES SEPARATELY FROM OTHER CLOTHING
 Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC: N1
 Solubility in Water: INSOLUBLE
 Appearance and Odor: BLACK/NEOPRENE COATED FIBERGLASS CLOTH W/STAINLESS STEEL WIRE; RUBBER ODOR
 Percent Volatiles by Volume: 0

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

===== Disposal Considerations =====

Waste Disposal Methods: WASTES ARE NOT HAZARDOUS AS DEFINED BY RCRA.
 DISPOSE IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.

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*** END OF RECORD ***

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NAME

SCOTCHWELD BRAND 583 BONDING FILM

SODIUM POLYSTYRENE SULFONATE USP

XYRON 224

ZINC CHLORIDE

SOLDERS

BUTANE

OMNIFLEX BASE REGULAR & FAST

MACRODANTIN, 25, 50, 100 MG/CAPSULE

ARGON, REFRIGERATED LIQUID (CRYOGENIC LIQUID)

FURANDANTIN ORAL SUSPENSION

ER176 EPOXY RESIN CATALYST

CAS

9003-18-3
 9003-35-4
 8050-31-5
 1314-13-2
 69-72-7
 25704-18-1
 7440-02-0
 1312-76-1
 513-77-9
 14542-23-5
 7782-42-5
 7440-50-8
 1344-09-8
 7646-85-7
 7440-31-5
 7439-92-1
 7646-85-7
 106-97-8
 13463-67-7
 14808-60-7
 67-20-9
 7440-37-1
 67-20-9
 64-17-5
 68390-25-0
 141-78-6
 1330-20-7

<u>DS NICKEL POWDER/BILLETS/SHEET</u>	110-80-5
	108-10-1
	111-40-0
<u>4036 LIQUID-VAC SEALANT</u>	7440-02-0
	1314-20-1
	1589-49-7
	108-88-3
	117-81-7
<u>ORVUS WA PASTE</u>	7732-18-5
<u>SODER-WICK</u>	7440-50-8
	8050-09-7
<u>OXYGEN</u>	7782-44-7
<u>DANTRIUM, 25MG</u>	14663-23-1
<u>MIN-K: FLEXIBLE, SHEETS & MOLDED SHAPES, FACED FLEXIBLE</u>	7631-86-9
	65997-17-3
	9003-35-4
<u>THERMO-CHEM G-89 FIREWALL SHEET</u>	65997-17-3
	9010-98-4
	12003-38-2
<u>CHLOROMYCETIN SODIUM SUCCINATE</u>	56-75-7
<u>PARACHLOROPHENOL</u>	106-48-9
<u>ESIPB123</u>	2392-39-4
	6132-04-3
	100-51-6
	7732-18-5
<u>ENTEX LIQUID</u>	154-41-6
	61-76-7
	93-14-1
<u>ENTEX</u>	154-41-6
	61-76-7
	93-14-1
<u>377622 CULTURETTE, CULTURE COLLECTION/TRANSPORT SYSTEM</u>	7647-01-0
<u>3CX3000A7, THORIATED (THORIUM 232) TUNGSTEN</u>	7440-29-1
	7440-33-7
<u>PACKAGED CHAFF (ALUMINIZED GLASS)</u>	
<u>CHEMSTRIP 2 GP URINE TEST STRIPS</u>	
<u>KRYPTON</u>	7439-90-9
<u>KRYPTON</u>	7439-90-9
<u>ENTEX LA</u>	154-41-6
	93-14-1
<u>1040 VETO</u>	7647-01-0
	7664-38-2
	68439-57-6
	9016-45-9
<u>DIDRONEL, 200MG</u>	7414-83-7
<u>ALPHA NAUHTHOL</u>	90-15-3
<u>101729, MEDI-SCRUB</u>	88-04-0
<u>DELESTROGEN, 20 MG/ML</u>	979-32-8
	8001-79-4
	120-51-4
	100-51-6
<u>PROLIXIN DECANOATE, 25 MG/ML IN SESAME OIL</u>	5002-47-1
	100-51-6
	8008-74-0
<u>DACRIOSE OPHTHALMIC SOLUTION</u>	1310-73-2
	7682-85-6
	7447-40-7
	7647-14-5
<u>F466, F4669, F417 COMPOUND TINCTURE BENZOIN</u>	64-17-5
	119-53-9
<u>0290506 URICHEM LEVEL 1</u>	7647-01-0
	1310-73-2
	64-17-5

ORTHODONTIC RESIN POWDER

94-36-0

10% FERRIC CHLORIDE

7732-18-5

7705-08-0

ISOTON III DILUENT

SULFOSALICYLIC ACID SOLUTION, 20%

5965-83-3

7732-18-5

XYLO-PFAN

CHEMSTRIP UGK 50 TEST STRIPS

0170027 SEPTI-CHECK SLIDE ROCHE

SULFURIC ACID, BATTERY ELCTROLYTE

7664-93-9

7732-18-5

I.R. FLARE AIRCRAFT COUNTERMEASURE

67-64-1

10294-40-3

7440-42-8

7778-74-7

BICNU FOR IV INFUSION

154-93-8

Free MSDS Search (Providing 250, 000+ Material Properties)

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1 mile

Robert

~~Bob~~

Al Thompson

2 weeks

226/yr

5 yr

From: (905) 847-6500
Cesar Rainusso
Daernar
861 cranberry Court

Oakville, ON L6L6J7
CA

Origin ID: YTOA

FedEx
Express

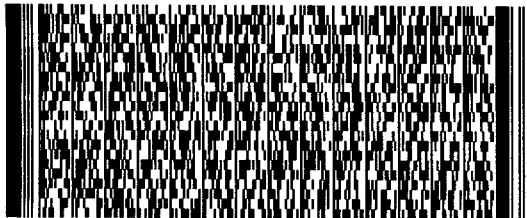
J11151102250225

SHIP TO: (613) 632-3336

BILL RECIPIENT

DART AEROSPACE LTD.
1270 ABERDEEN STREET

HAWKESBURY, ON K6A1K7
CA



Ship Date: 09MAY11
Act/Wgt: 23.0 LB
CAD: 4930347/INCA3130

Delivery Address Bar Code



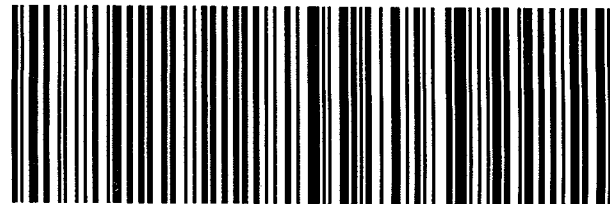
Ref # 2266102
Invoice #
PO # 13983
Dept #

TUE - 10 MAY PM
PRIORITY OVERNIGHT

TRK# 7947 3626 6686
0451

0B YMXA

K6A 1K7
ON-CA
YMX



After printing this label:

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Within 90 days after you have notified us of your claim, it must be documented by sending us all relevant information regarding your claim. FedEx is not obligated to act on any claim until all transportation charges have been paid. The claim amount may not be deducted from these charges. If the recipient accepts the shipment without noting any damage on the delivery record, FedEx will assume the shipment was delivered in good condition. In order for us to consider a claim for damage, the contents, original shipping carton and packing must be made available to us for inspection at the delivery location and you must retain all such items until the claim is concluded. **RESPONSIBILITY FOR PAYMENT.** Even if you give us different payment instructions, you, the shipper, will always be primarily responsible for all charges, including transportation charges, and all duties, assessments, governmental penalties and fines, taxes, and FedEx's legal fees and costs related to shipments tendered under this Agreement. You also will be responsible for any costs FedEx may incur in returning your shipments to you or warehousing them pending disposition. **MANDATORY LAW.** Insofar as any provisions contained or referred to in this Agreement may be contrary to any applicable laws, government regulations, orders or requirements, such other provisions shall remain in effect as a part of this Agreement to the extent that they are not overridden. The invalidity or unenforceability of any provisions of this Agreement shall not affect any other part hereof. The parties expressly agree that this Agreement be drawn up in the English language. **FEDERAL EXPRESS CANADA LTD.,** Head Office, 5985 Explorer Drive, Mississauga, ON L4W 5K6.